PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To: JONATHAN SPANGLER NUVASIVE, INC. 10065 OLD GROVE ROAD SAN DIEGO. CA 92131	PCT
	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION
	(PCT Rule 44.1)
	Date of Mailing (day/month/year) 12 AUG 2003
Applicant's or agent's file reference 13958-0777833 027W0	FOR FURTHER ACTION See paragraphs 1 and 4 below
International application No. PCT/US03/02056	International filing date (day/month/year)
Applicant	15 January 2003 (15.01.2003)
NUVASIVE, INC.	
The applicant is hereby notified that the international search Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claim to a mend the claim to a mend the claim.	ims of the international application (see Rule 46):
When? The time limit for filing such amendments is international search report.	normally two months from the date of transmittal of the
Where? Directly to the International Bureau of WIPO 1211 Geneva 20, Switzerland, Facsimile No.:	, 34, chemin des Colombettes : (41-22) 740.14.35
For more detailed instructions, see the notes on the acc	
 The applicant is hereby notified that no international search Article 17(2)(a) to that effect is transmitted herewith. 	report will be established and that the declaration under
3. With regard to the protest against payment of (an) addition	onal fre(s) under Rule 40.2, the applicant is notified that:
the protest together with the decision thereon has been applicant's request to forward the texts of both the or	n transmitted to the International Bureau together with the otest and the decision thereon to the designated Offices.
no decision has been made yet on the protest; the appl	icant will be notified as soon as a decision is made.
4. Reminders	
approximation avoid or postpone publication, a notice of with	al application will be published by the International Bureau. If the drawal of the international application, or of the priority claim, must and 90 bis.3, respectively, before the completion of the technical
extended these of their it the applicant wisnes to postpone the	of some designated Offices, a demand for international preliminary entry into the national phase until 30 months from the priority date in 20 months from the priority date, perform the prescribed acts for
In respect of other designated Offices, the time limit of 30 months	
See the Annex to Form PCT/IB/301 and, for details about the appl. Volume II, National Chapters and the WIPO Internet site.	icable time limits. Office by Office, see the PCT Applicant's Guide;
Name and mailing address of the ISA/US	Authorized officer
Mail Stop PCT, Attn: ISA/US Commissioner for Patents	Charles A. Marmor, II Diane printh
P.O. Box 1450 Alexandria, Virginia 22313-1450	Telephone Ni. (202) 208 0050
Facsimile No. (703)305-3230 Dem PCT/ISA/220 (April 2002)	Telephone No. (703) 308-0858
- · · · · · · · · · · · · · · · · · · ·	(See notes on accompanying sheet)

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PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY PCT JONATHAN SPANGLER NUVASIVE, INC. NOTIFICATION OF TRANSMITTAL OF 10065 OLD GROVE ROAD THE INTERNATIONAL SEARCH REPORT SAN DIEGO, CA 92131 OR THE DECLARATION (PCT Rule 44.1) 12 AUG 2003 Date of Mailing (day/month/year) Applicant's or agent's file reference See paragraphs 1 and 4 below FOR FURTHER ACTION 13958-011WOL- 027WOI International filing date International application No. (day/month/year) PCT/US03/02056 15 January 2003 (15.01.2003) Applicant NUVASIVE, INC. The applicant is hereby notified that the international search report has been established and is transmitted herewith. Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46): The time limit for filing such amendments is normally two months from the date of transmittal of the When? international search report. Where? Directly to the International Bureau of WIPO, 34, chemin des Colombettes 1211 Geneva 20, Switzerland, Facsimile No.: (41-22) 740.14.35 For more detailed instructions, see the notes on the accompanying sheet. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that: the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices. no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made. Reminders Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90 bis.1 and 90 bis.3, respectively, before the completion of the technical preparations for international publication. Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices. In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months. See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's Guide, Volume II, National Chapters and the WIPO Internet site. Authorized officer Name and mailing address of the ISA/US Diane much Mail Stop PCT, Attn: ISA/US Charles A. Marmor, II Commissioner for Patents P.O. Box 1450 Telephone No. (703) 308-0858 Alexandria, Virginia 22313-1450 Facsimile No. (703)305-3230 (See notes on accompanying sheet)

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Form PCT/ISA/220 (April 2002)

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 13958-011WOI	FOR FURTHER ACTION	see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.
International application No. PCT/US03/02056	International filing date (day/mon 15 January 2003 (15.01.2003)	th/year) (Earliest) Priority Date (day/month/year)
Applicant NUVASIVE, INC.		
This international search report has bee according to Article 18. A copy is bein	n prepared by this International S ag transmitted to the International	earching Authority and is transmitted to the applicant Bureau.
	s of a total of 3 sheets. ed by a copy of each prior art doc	•
Basis of the Report With regard to the language.	, the international search was carrie	d out on the basis of the international application in the
the international search was Authority (Rule 23.1(b)).	as carried out on the basis of a trans	lation of the international application furnished to this closed in the international application, the international
contained in the internatio	mal application in written form. ernational application in computer r	eadable form.
furnished subsequently to	this Authority in written form.	
furnished subsequently to	this Authority in computer readable	e form.
the statement that the sub-	sequently furnished written sequence	e listing does not go beyond the disclosure in the
the statement that the info	ormation recorded in computer read	able form is identical to the written sequence listing has
2. Certain claims were fou	ınd unsearchable (See Box I).	
3. Unity of invention is lac	king (See Box II).	
4. With regard to the title,		
the text is approved as st	ubmitted by the applicant.	1
the text has been establis Please See Continuation Sheet	shed by this Authority to read as fol	Ows.
5. With regard to the abstract,	a to the decomposition of	
	ubmitted by the applicant.	this Authority as it appears in Box III. The applicant may,
within one month from	the date of mailing of this internation	this Authority as it appears in Box III. The applicant may, nal search report, submit comments to this Authority.
6. The figure of the drawings to be	e published with the abstract is Figu	re No. 2 None of the figures
as suggested by the app	licant.	Holle of the rights
because the applicant fa	uiled to suggest a figure.	•
	er characterizes the invention.	

Form PCT/ISA/210 (first sheet) (July 1998)

International application No. INTERNATIONAL SEARCH REPORT PCT/US03/02056 CLASSIFICATION OF SUBJECT MATTER : A61B 5/05 IPC(7) According to International Patent Classification (IPC) or to both national classification and IPC FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S.: 600/546, 547, 548, 554; 607/72, 115, 116, 117, 118; 606/34, 41 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Citation of document, with indication, where appropriate, of the relevant passages 1-4,9,11,14-US 6,564,078 B1 (MARINO et al) 13 May 2003, see entire document. Category * 17,40,41,43,44 X,E 5-8,10,12,13,18-A.E 39,42,45-59 1.2.11-16,38-41,48-50 US 5,775,331 A (RAYMOND et al) 07 July 1998, see entire document. 3-10,17-37,42,43-Х 47,51-59 A US 6,466,817 B1 (KAULA et al) 15 October 2002, see entire document. 3,9,12,14,15,40,41,43. X 48-50 A. 4-8,10,11,12,16-39,42,44-47,51-59 US 5,284,154 A (RAYMOND et al) 08 February 1994, see entire document. 1.59 See patent family annex. Further documents are listed in the continuation of Box C. later document published after the international filing date or priority date and not in conflict with the application but cited to understand the Special categories of cited documents: principle or theory underlying the invention document defining the general state of the art which is not considered to be document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step of particular relevance earlier application or patent published on or after the international filing date when the document is taken alone document which may throw doubts on priority claim(s) or which is cited to document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination establish the publication date of another citation or other special reason (as being obvious to a person skilled in the art document referring to an oral disclosure, use, exhibition or other means document member of the same patent family document published prior to the international filing date but later than the priority date claimed Date of mailing of the international search report 12 AUG 2003 Date of the actual completion of the international search 07 June 2003 (07.06.2003) Authorized officer Name and mailing address of the ISA/US Charles A. Marmor, II Alan Smoth Mail Stop PCT, Attn: ISA/US Commissioner for Patents Telephone No. (703) 308-0858 P () Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703)305-3230

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Form PCT/ISA/210 (second sheet) (July 1998)

INTERNATIONAL SEARCH REPORT		
Continuation of Item 4 of the first sheet: The title is too long under PCT Rule 4.3. NEW TITLE: SYSTEMS AND METHODS FOR DETERMINING DIRECTION TO A NERV	E	
Continuation of B. FIELDS SEARCHED Item 3: EAST search terms: nerve, direction, location, proximity, stimulation, cannula, K w minimum, arc, display, bracket, bisect, electrodes	ire, electrical, EMG, response, threshold, maximum,	
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PCT/US03/02056

Form PCT/ISA/210 (second sheet) (July 1998)